

Major Ratings and Characteristics

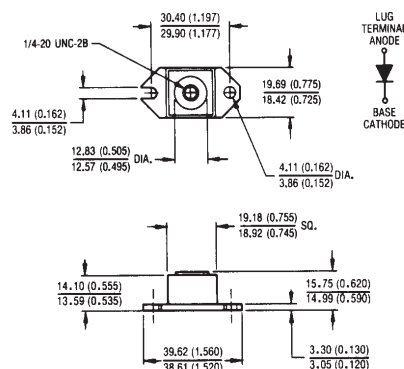
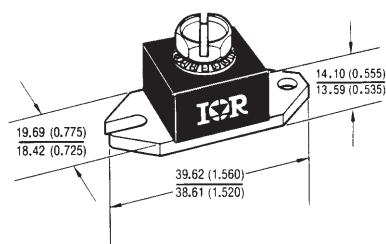
Characteristics	245NQ015	Units
$I_{F(AV)}$ Rectangular waveform	240	A
V_{RRM}	15	V
I_{FSM} @ tp = 5 μ s sine	20,000	A
V_F @ 240 Apk, $T_J = 75^\circ\text{C}$	0.34	V
T_J range	-55 to 100	$^\circ\text{C}$

Description/Features

The 245NQ015 high current Schottky rectifier module has been optimized for ultra low forward voltage drop specifically for the OR-ing of parallel power supplies. The proprietary barrier technology allows for reliable operation up to 100 $^\circ\text{C}$ junction temperature. Typical applications are in parallel switching power supplies, converters, reverse battery protection, and redundant power subsystems.

- 100 $^\circ\text{C}$ T_J operation
- Unique high power, Half-Pak module
- Optimized for OR-ing applications
- Ultra low forward voltage drop
- High frequency operation
- Guard ring for enhanced ruggedness and long term reliability
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance

CASE STYLE AND DIMENSIONS



Outline HALF PAK Module

Dimensions in millimeters and inches